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**TRANSMITTAL LETTER  
INFORMATION DISCLOSURE STATEMENT**

Applicant : Higuchi, et al.  
App. No : 10/564,464  
Filed : January 12, 2006  
For : GLUCOSIDE HAVING 4-  
METHYLERGOST-7-EN-OL SKELETON  
AND HYPERGLYCEMIA IMPROVING  
AGENT  
Examiner : Unknown  
Art Unit : Unknown

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 15, 2006

(Date)

Che Swyden Chereskin, Ph.D., Reg. No. 41,466

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement and PTO/SB/08 equivalent listing 39 references for consideration. Thirty-seven references are enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Che Swyden Chereskin, Ph.D.  
Registration No. 41,466  
Agent of Record  
Customer No. 20,995  
(949) 760-0404



### INFORMATION DISCLOSURE STATEMENT

Applicant : Higuchi, et al.  
App. No : 10/564,464  
Filed : January 12, 2006  
For : GLYCOSIDE HAVING 4-METHYLERGOST-7-EN-OL SKELETON AND HYPERGLYCEMIA IMPROVING AGENT  
Examiner : Unknown  
Art Unit : Unknown

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 39 references to be considered by the Examiner. Thirty-seven references are enclosed.

WO99/19505 is submitted as the English language equivalent for JP 2001-520019.

WO97/16438 is submitted as the English language equivalent for JP 11-511482.

All references include at least a statement of relevance in the English language.

**Appl. No.** : 10/564,464  
**Filed** : January 12, 2006

**Docket No.** TOYA108.011APC  
**Customer No.** 20,995

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 15, 2006

By: Che S. Chereskin

Che Swyden Chereskin, Ph.D.

Registration No. 41,466

Agent of Record

Customer No. 20,995

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(Multiple sheets used when necessary)*

SHEET 1 OF 2

Application No.	10/564,464
Filing Date	January 12, 2006
First Named Inventor	Higuchi, et al.
Art Unit	Unknown
Examiner	Unknown
Attorney Docket No.	TOYA108.011APC

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Issue/Pub Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		4,598,069	07/01/86	Toyo Yakushoku Kogyo Co. Ltd.	
		2003/0207818	11/06/03	Jia, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
		JP 2001-520019	10/30/01	Univera Pharmaceuticals, Inc.		PCT 1 <sup>st</sup> Pg
		JP 08-208495	08/13/96	Nonogawa Shoji KK		Abstract
		JP 10-120576	05/12/98	Kureha Chem Ind Co Ltd		Abstract
		JP 10-045604	02/17/98	Kureha Chem Ind Co Ltd		Abstract
		JP 10-036271	02/10/98	Kureha Chem Inc Co Ltd		Abstract
		JP 09-059298	03/04/97	Yurika KK		Abstract
		JP 60-214741	10/28/85	Toyo Yakushiyoku Kogyo KK		Abstract
		JP 2003-095941	04/03/03	Ito En Ltd		Abstract
		JP 2002-371003	12/26/02	Kikkoman Corp		Abstract
		JP 05-247086	09/24/93	Kowa Kagaku Kogyo KK		Abstract
		JP 2002-205949	07/23/02	Yuusu Techno Corporation:KK		Abstract
		JP 09-040689	02/10/97	Nippon Flour Mills Co Ltd		Abstract
		JP 11-511482	10/15/99	Merck & Co., Inc.		PCT 1 <sup>st</sup> Pg
		JP 10-330266	12/15/98	Kotarou Kanpo Seiyaku KK		Abstract
		JP 2003-048837	02/21/03	Inst of Physical & Chemical Res		Abstract
		WO 97/16438	05/09/97	Merck & Co., Inc.		
		WO 99/19505	04/22/99	Univera Pharmaceuticals, Inc.		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
		Akihisa, et al. "Triterpene Alcohols and Sterols from the Fern <i>Gleichenia japonica</i> Spr.," <i>Chem. Pharm. Bull.</i> , Vol. 41, No. 3, pp. 624-626, 1993.	
		Nes, "Sterol Methyl Transferase: Enzymology and Inhibition," <i>Biochimica et Biophysica Acta</i> , Vol. 1529, pp. 63-88, 2000.	

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/564,464
	Filing Date	January 12, 2006
	First Named Inventor	Higuchi, et al.
	Art Unit	Unknown
	Examiner	Unknown
SHEET 2 OF 2	Attorney Docket No.	TOYA108.011APC

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
		Bunyapraphatsara, et al. "Antidiabetic Activity of <i>Aloe vera</i> L. Juice II. Clinical Trial in Diabetes mellitus Patients in Combination with Glibenclamide," <i>Phytomedicine</i> , Vol. 3, No. 3, pp. 245-248, 1996.	
		Okyar, et al. "Effect of <i>Aloe vera</i> Leaves on Blood Glucose Level in Type I and Type II Diabetic Rat Models," <i>Phytotherapy Research</i> , Vol. 15, pp. 157-161, 2001.	
		Beppu, et al. "Hypoglycaemic and Antidiabetic Effects in Mice of <i>Aloe arborescens</i> Miller var. <i>natalensis</i> Berger," <i>Phytotherapy Research</i> , Vol. 7, pp. S37-S42, 1993.	
		Nippon Rinsho, No. 748, Vol. 1, pp. 615-617, 1999 with a partial English translation.	Partial
		Nippon Rinsho, No. 808, Vol. 2, pp. 405-409, 2002 with a partial English translation	Partial
		Yazaki Y. & Muramatsu M. Ed., "Front Line of Diabetes mellitus," pp. 126-139, Yodosha, 1997 with a partial English translation.	English Summary
		Panosyan, et al. Khymiya Prirodnykh Soedinenii, Vol. 3, USSR, 1977, Caplus/Medline Abstract.	
		Yongchaiyudha, et al. "Antidiabetic Activity of <i>Aloe vera</i> L. Juice.I. Clinical Trial in New Cases of Diabetes mellitus," <i>Phytomedicine</i> , Vol. 3, No. 3, pp. 241-243, 1996.	
		Koo, "Aloe Vera, Antiulcer and Antidiabetic Effects," <i>Phytotherapy Research</i> , Vol. 8, pp. 461-464, 1994.	
		Akihisa T., Matsumoto T., <i>Yukagaku</i> , Vol. 36, pp. 301-319, 1987 with a relevance explanation.	Partial
		Can, et al. "Effect of <i>Aloe vera</i> Leaf Gel and Pulp Extracts on the Liver in Type-II Diabetic Rat Models," <i>Biol. Pharm. Bull.</i> Vol. 27, No. 5, pp. 694-698, 2004.	
		Yeh, et al. "Systematic Review of Herbs and Dietary Supplements for Glycemic Control in Diabetes," <i>Diabetes Care</i> , Vol. 26, No. 4, pp. 1277-1294, 2003.	
		Afzal, et al. "Identification of Some Prostanoids in <i>Aloe vera</i> Extracts," <i>Planta Med.</i> , Vol. 57, pp. 38-40, 1991.	
		Ghannam, et al. "The Antidiabetic Activity of Aloes: Preliminary Clinical and Experimental Observations," <i>Hormone Res.</i> , Vol. 24, pp. 288-294, 1986.	
		Ajabnoor, "Effects of Aloes on Blood Glucose Levels in Normal and Alloxan Diabetic Mice," <i>Journal of Ethnopharmacology</i> , Vol. 28 pp. 215-220, 1990.	
		Grover, et al. "Medicinal Plants of India with Anti-Diabetic Potential," <i>Journal of Ethnopharmacology</i> , Vol. 81, pp. 81-100, 2002.	
		Bolkent, et al. "Effect of <i>Aloe vera</i> (L.) Burm. fil. Leaf Gel and Pulp Extracts on Kidney in Type-II Diabetic Rat Models," <i>Indian Journal of Experimental Biology</i> , Vol. 42, pp. 48-52, January 2004.	
		Hikino, et al. "Isolation and Hypoglycemic Activity of Arborans A and B, Glycans of <i>Aloe arborescens</i> var. <i>natalensis</i> Leaves," <i>Int. J. Crude Drug Res.</i> , Vol. 24, pp. 183-186, 1986.	

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